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Vol VIII, No 1, Oct 61  
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Pol

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REF 4302

*P. C. Gass*

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THE PROBLEM OF THE MAXIMUM FLOW IN  
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ING CONSTRAINTS (Recherche du Flot Maximum  
dans Certains Reseaux Lorsqu'on Impose une Condi-  
tion de Bouclage). [1963] [20]p. (foreign text included).  
Order from SLA \$1.60 63-14055

Trans. of mono. International Conference on  
Operational Research (no. 2) 1960. Proceedings,  
p. 156-163.

DESCRIPTORS: \*Transportation, \*Traffic, Networks,  
\*Linear programming; Operations research.

We take a transportation network in which each entry  
arc is matched with an exit arc, and reciprocally;  
two such arcs are required to carry the same flow.  
Under such conditions we can obtain the maximum  
(Machinery--Transport, TT, v. 10, no. 4) (over)

Office of Technical Services

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Ghouila-Houri, A.  
A SUFFICIENT CONDITION FOR THE EXISTENCE  
OF A HAMILTONIAN CIRCUIT. [1961] 6p. 2 refs.  
Order from SLA \$1.10 61-14758

Trans. of Academie des Sciences [Paris].  
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p. 495-497.

DESCRIPTORS: Quantum mechanics, Theory.

This paper demonstrates a conjecture advanced by  
C. Berge which generalizes both a König theorem and  
a Dirac theorem. (Author)

(Physics--Theoretical, TT, v. 6, no. 7)

61-14758

I. Ghouila-Houri, A.

Office of Technical Services

Details Concerning the Structure of Disaccharide-  
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J. M. Ghuyssen, 7 pp, 6 Atch.

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NIH 11-3-61

Sci - Med

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SETOC

(NY-4581)

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JPRS 5801

EEur - Czechoslovakia

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COPYRIGHT

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Chys, R.

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Order from NTC as 70-13438-06R: HC \$ 7.60, MF \$ 5.80.

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ITALIAN, per. Gazzetta Chimica Italiana,  
Vol LXII, 1932, pp 577-582.  
SLA TT 64-20346

*A. Giacalone*

May 67

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[Kinetics of Propylene Polymerization with Highly Stereospecific Heterogeneous Catalysts]. Part III, Chain Deactivation Processes Dependent on the Catalyst Concentration, by G. Natta, I. Pasquon, E. Giachetti, 18 p.

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Overall Kinetics of Polymerization Process, by  
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No 12, 1957, pp 993-1001.

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Sci - Chem  
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Kinetics of Chain Growth and Termination Processes  
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SLA 3225

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SYNTHETIC PLASTICS AS CARBON SOURCE FOR  
CERTAIN MICROORGANISMS. [1961] 10p. 3 refs.  
Order from SLA \$1.10 61-18270

Trans. of Istituto Centrale del Restauro. Boll[etino]  
(Italy) 1937, v. 31/32, p. 109-113.

DESCRIPTORS: \*Microorganisms, \*Carbon, Growth,  
\*Plastics, Culture media, Fungi, Resins, Vinyl  
radicals, Acetates.

Experiments demonstrate how solid Vinsvyls can be  
attacked by fungi. Growth is not noticeable, but is  
characterized by the formation of points of attack,  
from which the hyphae penetrate the innermost struc-  
ture of the resin. Infiltration, which can be detected  
macroscopically, is also confirmed by microscopic  
observations. The mycelium of individual strains also  
(Botanical Science, Microbiology, TT v. 7, no. 11)

61-18270

1. Giacobini, C.

209641

Office of Technical Services

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**GROWTH OF MICROORGANISMS ON A SYNTHETIC  
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Order from SLA \$1.10

61-18620

Trans. of Istituto Centr[ale] del Restauro. Bollettino  
(Italy) 1958, v. 33, p. 19-26.

**DESCRIPTORS:** \*Microorganisms, Growth, \*Adhesives,  
Resins, Plasticizers, Fungi, Culture media, Carbons.

Previous tests (Inst. Centr. del Restauro. Bollettino  
31/32: 108-113, 1957; available in translation from  
SLA \$1.10 as 61-18270), wherein it was demonstrated  
that certain synthetic solid Vinavyls can constitute a  
carbon source usable by some microorganisms for  
their growth, were extended to synthetic adhesives  
composed of polyvinyl resins mixed with plasticizers.  
Results showed that these can be attacked by micro-  
(Biological Sciences--Microbiology, TT, v. 7, no. 1.1)  
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ON THE CONSTITUTION OF SULFUR MONOCHLORIDE AND ON THE DERIVATIVES OF THE HYPOTHETICAL ACID  $(S-OH)_2$ . [1960] 9p. 17 refs.  
Order from SLA mi\$1.80, ph\$1.80 60-16848

Trans. of Accademia Nazionale dei Lincei [Rome. Classe di Scienze, Fisiche, Matematiche e Naturali. Rendiconti] (Italy) 1935, ser. 6, v. 21, p. 36-42.

1. Sulfur chlorides--Synthesis
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(Unannounced)

Giacometti, G., Nordio, P. L., and Rigatti, G.  
ELECTRON STRUCTURE AND SPECTRA OF CHLORANIL AND p-PHENYLENEDIAMINE (Struttura Elettronica e Spettri del Cloranile e della p-Fenilenediammina). (1962) 9p. 16 refs.  
Order from S.I.A. \$1.10

62-18706

Trans. of Nuovo Cimento (Italy) 1962 [ser. 10] v. 23, no. 2, p. 433-439.

DESCRIPTORS: Chlorine compounds, \*Quinones, Benzenes, \*Amines, Molecular structure, Electrons, \*Atomic orbitals, \*Atomic energy levels, Spectrographic analysis, Resonance absorption, Spectra (Visible and ultraviolet).

The prime  $\pi$  electron levels of chloranil, p-phenylenediamine and their respectively negative and positive ions were evaluated by the semi-empirical LCAO, MO, SCF method.  
(Physics--Molecular, TT, v. 10, no. 1)

62-18706

1. Title: Chloranil
2. Title: Phenylenediamine
1. Giacometti, G.
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Office of Technical Services

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Possible Effect of Electric and Magnetic Fields on the  
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INSPEC-T-1494

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An Improved Method of Determining the Homogeneity  
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A. Bertini.

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WEur - Italy  
Scientific - Physics

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Accurate Localization of A Transmission Maximum or Minimum According to the Wavelength - Application to the Preparation of Thin Layers. by P. Giacomo, P. Jacquinet.

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CHIRO/No. 7977

*P. Giacomo*

Sci -  
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ITALIAN, pat, Patent No 319,677.

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*Giovanni Giacconi*

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The Use of Various Fuels in a Diesel Engine,  
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(ITALIAN) FRANCE, rpt. 7th Int. F.I.S.I.TA.  
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CSIRO/No 5224

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CSIRO/No 5224

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Sci - Medicine

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FTL-TT-65-1447

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*N. M. Gialko*

Sci/M&M  
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(SF-1384/6)

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JPRS 10231

Asia - Indonesia

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GIAMBELLI 365,975

*G. Giambelli*



Procedure for the Preparation of Dibasic Acids  
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SLA 60-10090

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Vol III, No 2

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RIS rpt 96954

Sci - Chem  
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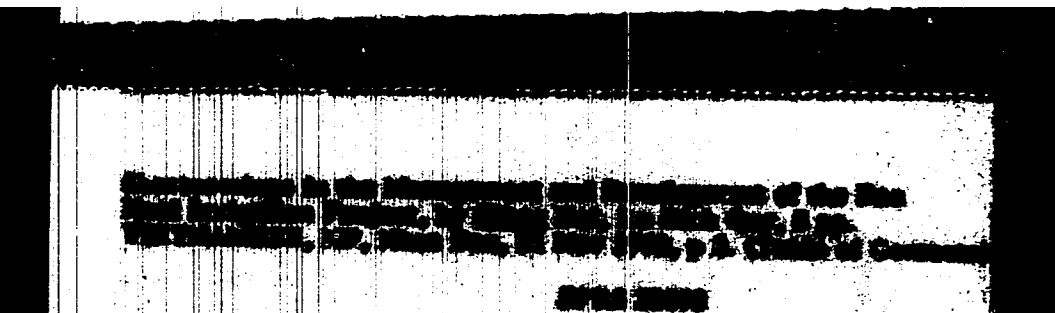
Jul 59

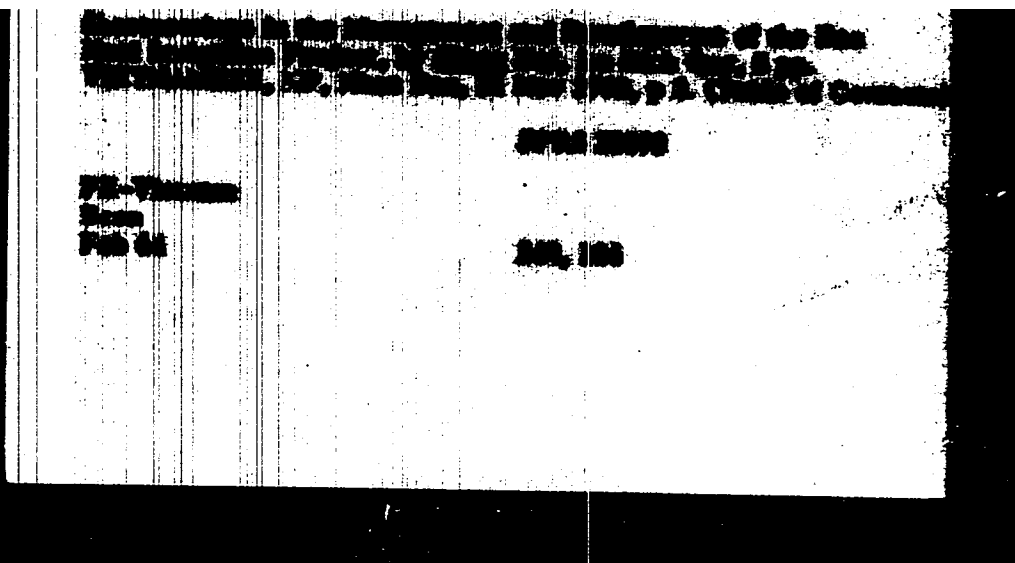
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Distribution of Residence Times in a Pump  
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ITALIAN, per, la Chimica e l'Industria,  
Vol 46, No 9, 1964, pp 1042-1048.  
TC-1411

A. Gianetto

Sci-Mech Indus Civ Mar Engr  
Nov 66 313,572





WATER WORKS AT HONG YEN PROVINCE, BY LE GIANG,  
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VIETNAMESE, NP, NHAN DAN, 5 DEC 1968, P 2

JPRS 17457

FC - VIETNAM  
ECON  
FEB 63

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A Theoretical and Experimental Investigation of Plates  
Reinforced by Ribs, by Elio Giangreco, 24 pp.

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Sci - Engineering

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Feb 52 CTC

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Solvents of Fractions of Atactic Polypropylene,  
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SLA 59-20891

Sci  
Mar 60  
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ITALIAN, pper, Arch Ital Sci Farmacol, Vol VI,  
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SLA 58-274

Sci  
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EXPERIMENTAL RESEARCH ON THE BEHAVIOR OF THE  
COLLAGEN FIBRILS IN THE TEMPORO-MANDIBULAR JOINT  
UNDER VARIOUS OPERATING LOADS, PROVIDED BY  
ORTHODONTIC APPLIANCES, AND OBSERVED UNDER THE  
ELECTRON MICROSCOPE, BY R. BACCIONI, E. GIANNI, 12 PP.

ITALIAN, PER, ARCH ITAL ANAT EMERIOLOG, VOL LXIV,  
NO 2, 1959, PP 131-148.

MM 7-15-62

SCI - MED  
OCT 62

213,061

GIANNI, Giuseppe

Periodical, L'Universo,  
Vol XXIX, No 6, Nov/Dec  
1949Official Italian  
Cartography in the  
Last Two CenturiesGeography-Cartography  
Maps

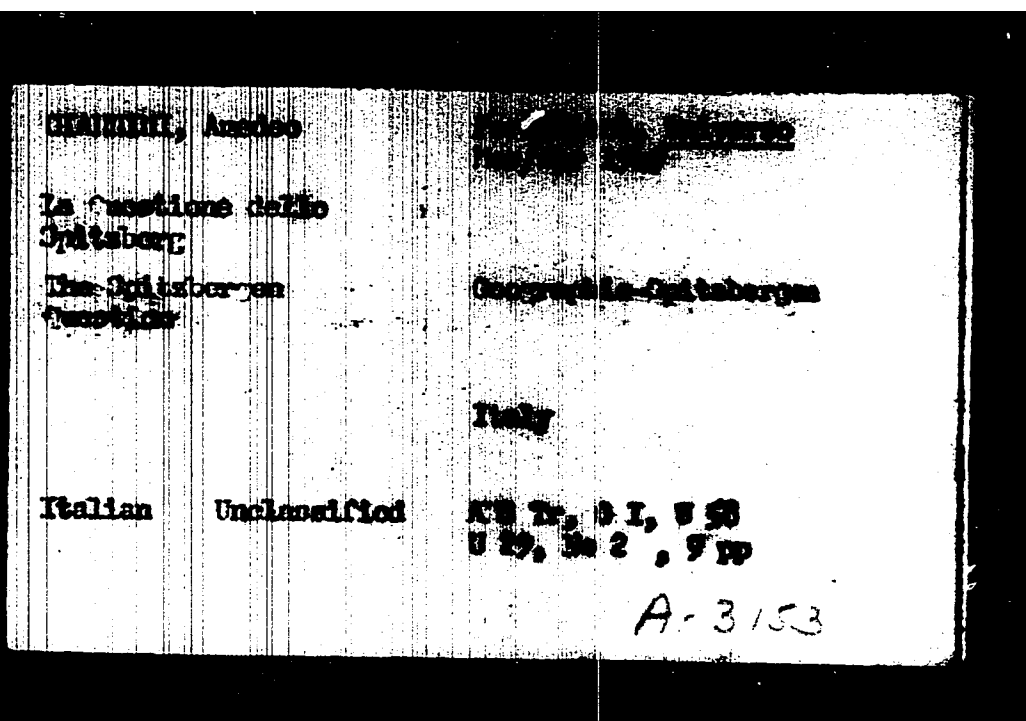
Italy

Italian

UNCLASSIFIED

AMS G 1 U 58 V. 29 No 6

Dec 1950 CTS



62-22485

Giannini, U. and Cesca, S.

VINYL CHLORIDE POLYMERS OBTAINED WITH  
CATALYSTS PREPARED FROM ALUMINUM ALKYL  
AND VANADIUM COMPOUNDS. Aug 62, 4100 words,  
2+ refs.

Order from CTS(Chem) \$16.40 CTS(Chem)288  
subsequent copies \$2.70/ea.

Trans. of [a] Chimica e [i'] Industria (Italy) 1962,  
v. 44 [no. 5] p. 571-578.

DESCRIPTORS: \*Polymers, \*Vinyl chlorides, Acetates,  
Catalysts, Metalorganic compounds, \*Aluminum com-  
pounds, \*Vanadium compounds, Alkyl radicals,  
Chlorides.

(Chemistry--Organic TT, v. 8, no. 7)

- I. Giannini, U.
- II. Cesca, S.
- III. CTS(Chem)-288
- IV. Chemical Translating  
Service, Palo Alto, Calif.

ALSO TT-65-14481

Office of Technical Services

60-12942

I. Glanini, U. and Gesca, S.

VINYL CHLORIDE POLYMERS OBTAINED WITH  
CATALYSTS PREPARED FROM ALUMINUM ALKYL  
AND VANADIUM COMPOUNDS, tr. by Fischer. [1962]  
24p.

Order from K-H \$30.00

K-H-12245b

Trans. of la Chimica e l'Industria (Italy) 1962, v. 44,  
no. 4, p. 371-378.

Other translations are available from CTS(Chem)  
\$16.40 (subsequent copies \$2.70/ca) as CTS(Chem)-288,  
Aug 62, 4100 words; and from SLA \$2.60 as 62-18673  
[1962] [26]p.

DESCRIPTORS: \*Polyvinyl chloride, \*Polymers, Cat-  
alysts, Aluminum compounds, Alkyl radicals, Vana-  
dium compounds.

(Materials--Plastics, 'T', v. 9, no 10)

I. Glanini, U.

II. Gesca, S.

III. K-H-12245-b

IV. Kresge-Hooker Science  
Library Associates,  
Detroit, Mich.

Office of Technical Services

Giannini, U. and Cesca, S.

VINYL CHLORIDE POLYMERS OBTAINED WITH  
CATALYSTS PREPARED FROM ALUMINUM ALKYL  
AND VANADIUM COMPOUNDS. [1962] 20p. 21 refs.  
Order from SLA \$1.60 62-18868

Trans. of [la] Chim[ica] e l'Ind[ustria] (Italy) 1962,  
v. 44 [no. 4] p. 371-378.

DESCRIPTORS: \*Polyvinyl chloride, Polymerization,  
\*Catalysts, \*Metalorganic compounds, \*Aluminum  
compounds, Alkyl radicals, \*Vanadium compounds,  
Acetyl radicals, Acetones, Esters, Reaction kinetics,  
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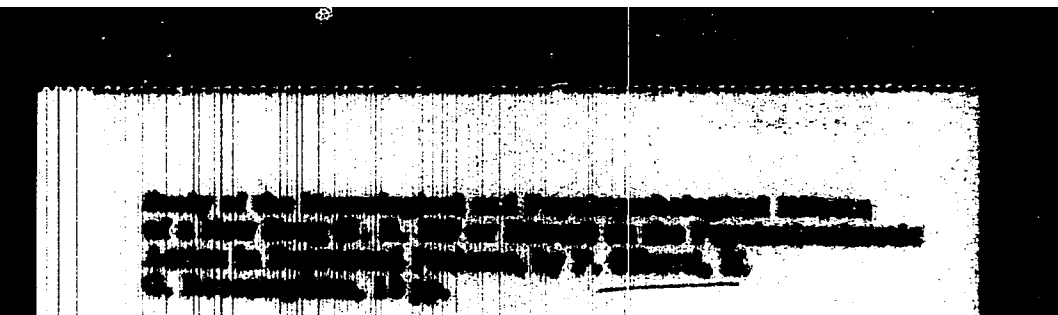
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